

INFORMATION DISCLOSURE CITATION			ATTY. DOCKET NO. A-62629/RFT/RMS	SERIAL NO. 08/541,191	
			APPLICANT KAYYEM et al.		
PTO-1449			FILING DATE 10/11/95	GROUP 1803 (21)	

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS		PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<i>DJ</i>	A	5,230,883	7/27/93	Kornguth et al.	424	9	
<i>DJ</i>	B	5,059,415	10/22/91	Neuwelt	424	9	

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS		PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							Yes	No
<i>DJ</i>	C	0388758	9/26/90	EPO	—	—		
<i>DJ</i>	D	9301837	2/4/93	PCT	—	—		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>DJ</i>	1	Diwu, Z. And J. W. Lown, "Phototherapeutic Potential of Alternative Photosensitizers to Porphyrins," <i>Pharmac. Ther.</i> , 63:1-35 (1994).
	2	Goldenberg, D.M., et al., "Targeting Cancer with Radiolabeled Antibodies," 5th Conference on Radioimmunodetection and Radioimmunotherapy of Cancer, Princeton, N.J., USA (6-8 October 1994).
	3	Grossweiner, L.I., "Photodynamic Therapy with Porphyrin Derivatives," <i>Porphyric Pesticides</i> , Ch. 18 255-265 (1994).
	4	Hung, M-C., et al., "HER-2/Neu-Targeting Gene Therapy - a Review," <i>Gene</i> , 159:65-71 (1995).
	5	Kayyem, J.F., et al., "Receptor-Targeted Co-Transport of DNA and Magnetic Resonance Contrast Agents," <i>Chemistry & Biology</i> , 2:615-620 (1995).
	6	Kemshead, J.T., and K. Hopkins, "Uses and Limitations of Monoclonal Antibodies (MoAbs) in the Treatment of Malignant Disease: A Review," <i>Journal of the Royal Society of Medicine</i> , 86:219-224 (1993).
<i>DJ</i>	7	King, D.J., et al., "Improved Tumor Targeting with Chemically Cross-Linked Recombinant Antibody Fragments," <i>Cancer Research</i> , 54:6176-6185 (1994).

EXAMINER <i>Damon Jones</i>	DATE CONSIDERED <i>6/9/97</i>
--------------------------------	----------------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
8085 1449A.FRM (8/95)

INFORMATION DISCLOSURE CITATION		ATTY. DOCKET NO. A-62629/RFT/RMS	SERIAL NO. 08/541,191
		APPLICANT KAYYEM et al.	
		PTO-1449	FILING DATE 10/11/95
		GROUP 1803 (Q1)	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

8	Larson, S.M., "Radioimmunology," <i>Cancer</i> , 67:1253-1260 (1991).		
9	Ludlow, J.W. and G.R. Skuse, "Viral Oncoprotein binding to pRB, p107, p130, and p300," <i>Virus Research</i> , 35:113-121 (1995).		
10	Schott, M.E., et al., "Biodistribution and Preclinical Radioimmunotherapy Studies Using Radiolanthanide-Labeled Immunoconjugates," <i>Cancer</i> , 73(3):993-998 (1994).		
11	Jurcic, J.G. and Scheinberg, D.A., "Recent Developments in the Radioimmunotherapy of Cancer," <i>Current Opinion in Immunology</i> , 6:715-721 (1994).		
12	Thomas, H., and Sikora, K., "New Therapeutic Modalities for Cancer," <i>Reviews in Oncology</i> , 4(1):107-120 (1991).		
13	Uckun, F.M., et al., "Biotherapy of B-Cell Precursor Leukemia by Targeting Genistein to CD19-Associated Tyrosine Kinases," <i>Science</i> , 267:886-891 (1995).		
14	Uckun, F.M., "Immunotoxins for the Treatment of Leukaemia," <i>British Journal of Haematology</i> , 85:435-438 (1993).		
15	Urban, J.L., "Tumor Antigens," <i>Annu. Rev. Immunol.</i> , 10:617-644 (1991).		
16	Wilbur, D.S., et al., "Monoclonal Antibody Fab' Fragment Cross-Linking Using Equilibrium Transfer Alkylation Reagents. A Strategy for Site-Specific Conjugation of Diagnostic and Therapeutic Agents with F(ab') ₂ Fragments," <i>Bioconjugate Chem.</i> , 5:220-235 (1994).		
17	Wagner, E., et al., "Influenza Virus Hemagglutinin HA-2 N-Terminal Fusogenic Peptides Augment Gene Transfer by Transferrin-Polylysine-DNA Complexes: Toward a Synthetic Virus-Like Gene-Transfer Vehicle," <i>Proc. Natl. Acad. Sci. USA</i> , 89:7934-7938 (1992).		
18	Wu, C., et al., "Metal-Chelate-Dendrimer-Antibody Constructs for Use in Radioimmunotherapy and Imaging," <i>Bioorganic and Medicinal Chemistry Letters</i> , 4(3):449-454 (1994).		
19	Wu, G.W., et al., "Receptor-Mediated Gene Delivery in Vivo," <i>J. Biol. Chem.</i> , 266(22):14338-14342 (1991).		
20	Kumar, K., et al., "Ligand Basicity and Rigidity Control Formation of Macroyclic Polyamino Carboxylate Complexes of Gadolinium (III)," <i>Inorg. Chem.</i> , 32:4193-4199 (1993).		
21	Lex, L., "Development of Contrast Enhancing Agents in Magnetic Resonance Imaging," <i>Acta Biochim. Biophys. Hun.</i> , 24/3:265-281 (1989).		
22	Grossweiner, L.I., "Photodynamic Therapy with Porphyrin Derivatives," <i>American Porphyric Pesticides</i> , Ch. 18:225-265 (1994).		
23	Paajanen, H., et al., "Proton Relaxation Enhancement of Albumin, Immunoglobulin G, and Fibrinogen Labeled with Gd-DTPA," <i>Magnetic Resonance in Medicine</i> , 13:38-43 (1990).		
24	Behr, Jean-Paul, "Gene Transfer with Synthetic Cationic Amphiphiles: Prospects for Gene Therapy," <i>Bioconjugate Chem.</i> , 5:382-389 (1994).		
25	Schwendener, R.A., "Liposomes and Immunoliposomes as Carriers for Cytostatic Drugs, Magnetic Resonance Contrast Agents, and Fluorescent Chelates," <i>Chimia</i> , 46:69-77 (1992).		
26	Zatloukal, K., et al., "Somatic Gene Therapy for Cancer: The Utility of Transferrinfection in Generating 'Tumor Vaccines'," <i>Gene</i> , 135:199-207 (1993).		

EXAMINER <i>Dimonique Jones</i>	DATE CONSIDERED <i>10/97</i>
------------------------------------	---------------------------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
8085 1449A.FRM (8/95)

INFORMATION DISCLOSURE CITATION		ATTY. DOCKET NO. A-62629/RFT/RMS	SERIAL NO. 08/541,191
		APPLICANT KAYYEM et al.	
		PTO-1449	FILING DATE 10/11/95
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
80	27	DeMagalhaes-Silverman, M., et al., "Bone Marrow Transplantation a Review," <i>Cell Transplantation</i> , 2:75-98 (1993).	
	28	Gutierrez, A.A., et al., "Gene Therapy for Cancer," <i>The Lancet</i> , 339:715-721 (1992).	
	29	Renn, O., et al., "Large-Scale Synthesis of the Bifunctional Chelating Agent 2-(p-Nitrobenzyl)-1,4,7,10-tetraazacyclododecane-N,N',N'',N'''-tetraacetic Acid, and the Determination of Its Enantiomeric Purity by Chiral Chromatography," <i>Bioconjugate Chem.</i> , 3:563-569 (1992).	
	30	McMurray, T.J., et al., "Convenient Synthesis of Bifunctional Tetraaza Macrocycles," <i>Bioconjugate Chem.</i> , 3:108-117 (1992).	
	31	Moi, M.K., et al., "The Peptide Way to Macroyclic Bifunctional Chelating Agents: Synthesis of 2-(p-Nitrobenzyl)-1,4,7,10-tetraazacyclododecane-N,N',N'',N'''-tetraacetic Acid and Study of Its Yttrium (III) Complex," <i>J. Am. Chem. Soc.</i> , 110:6266-6267 (1988).	
	32	Tweedle, M.F., et al., "Considerations Involving Paramagnetic Coordination Compounds as Useful NMR Contrast Agents," <i>Nucl. Med. Biol.</i> , 15(1):31-36 (1988).	
	33	Cotten, M., et al., "High-Efficiency Receptor-Mediated Delivery of Small and Large (48 Kilobase Gene Constructs Using the Endosome-Disruption Activity of Defective or Chemically Inactivated Adenovirus Particles," <i>Proc. Natl. Acad. Sci. USA.</i> , 89:6094-6098 (1992).	
	34	Wagner, E., et al., "Coupling of Adenovirus to Transferrin-Polylysine/DNA Complexes Greatly Enhances Receptor-Mediated Gene Delivery and Expression of Transfected Genes," <i>Proc. Natl. Acad. Sci. USA</i> , 89:6099-6103 (1992).	
	35	Wagner, E., et al., "DNA-Binding Transferrin Conjugates as Functional Gene-Delivery Agents: Synthesis by Linkage of Polylysine or Ethidium Homodimer to the Transferrin Carbohydrate Moiety," <i>Bioconjugate Chem.</i> , 2:226-231 (1991).	
	36	Weissleder, R., et al., "Drug Targeting in Magnetic Resonance Imaging," <i>Magnetic Resonance Quarterly</i> , 8(1):55-63 (1992).	
	37	Zenke, M., et al., "Receptor-Mediated Endocytosis of Transferrin-Polycation Conjugates: An Efficient Way to Introduce DNA into Hematopoietic Cells," <i>Proc. Natl. Acad. Sci. USA</i> , 87:3655-3659 (1990).	
	38	Wagner, E., et al., "Transferrin-polycation-DNA Complexes: The Effect of Polycations on the Structure of the Complex and DNA Delivery to Cells," <i>Proc. Natl. Acad. Sci. USA</i> , 88:4255-4259 (1991).	
	39	Oser, A., et al., "Sensitive Non-Radioactive Dot-Blot Hybridization Using DNA Probes Labelled with Chelate Group Substituted Psoralen and Quantitative Detection by Europium Ion Fluorescence," <i>Nucleic Acids Research</i> , 16(3):1181-1196 (1988).	
	40	Nabel, E.G., "Gene Therapy for Cardiovascular Disease," <i>Circulation</i> , 9(2):541-548 (1995).	
	41	Curiel, D.T., et al., "Gene Transfer to Respiratory Epithelial Cells via the Receptor-Mediated Endocytosis Pathway," <i>American Journal of Respiratory Cell and Molecular Biology</i> , 6:247-252 (1992).	
80	42	Curiel, D.T., et al., "Adenovirus Enhancement of Transferrin-Polylysine-Mediated Gene Delivery," <i>Proc. Natl. Acad. Sci. USA</i> , 88:8850-8854 (1991).	
EXAMINER D. Rennison & J. Jones		DATE CONSIDERED 10/97	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
8085 1449A.FRM (8/95)

INFORMATION DISCLOSURE CITATION		ATTY. DOCKET NO. A-62629/RFT/RMS	SERIAL NO. 08/541,191
		APPLICANT KAYYEM et al.	
		FILING DATE 10/11/95	GROUP 1803 1211
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
DSG	43	Cotten, M., et al., "Receptor-Mediated Transport of DNA into Eukaryotic Cells," <i>Methods in Enzymology</i> , 217:618-645 (1993).	
	44	Hnatowich, D.J., et al., "The Preparation of DTPA-Coupled Antibodies Radiolabeled with Metallic Radionuclides: and Improved Method," <i>Journal of Immunological Methods</i> , 65:147-157 (1983).	
	45	Kabanov, A.V., et al., "DNA Interpolyelectrolyte Complexes as a Tool for Efficient Cell Transformation," <i>Biopolymers</i> , 31:1437-1443 (1991).	
	46	Kahn, M.L., et al., "Optimization of Retroviral Vector-Mediated Gene Transfer into Endothelial Cells in Vitro," <i>Circulation Research</i> , 71(6):1508-1517 (1992).	
	47	Shen, T., et al., "Monocrystalline Iron Oxide Nanocompounds (MION): Physicochemical Properties," <i>MRM</i> , 29:599-604 (1993).	
	48	Slinkin, M.A., et al., "Terminal-Modified Polylysine-Based Chelating Polymers: Highly Efficient Coupling to Antibody with Minimal Loss in Immunoreactivity," <i>Bioconjugate Chem.</i> , 2:342-348 (1991).	
	49	Torchilin, V.P., et al., "The Antibody-Linked Chelating Polymers for Nuclear Therapy and Diagnostics," <i>Critical Reviews in Therapeutic Drug Carrier System</i> , 7(4):275-308 (1991).	
	50	Torchilin, V.P., et al., "Monoclonal Antibody Modification with Chelate-Linked High-Molecular-Weight Polymers: Major Increases in Polyvalent Cation Binding without Loss of Antigen Binding," <i>Hybridoma</i> , 6(3):229-240 (1987).	
	51	Trubetskoy, V.S., et al., "Cationic Liposomes Enhance Targeted Delivery and Expression of Exogenous DNA Mediated by N-Terminal Modified Poly(L-lysine)-Antibody Conjugate in Mouse Lung Endothelial Cells," <i>Biochimica et Biophysica Acta</i> , 1131:311-313 (1992).	
	52	Trubetskoy, V.S., et al., "Use of N-Terminal Modified Poly (L-lysine)-Antibody Conjugate as a Carrier for Targeted Gene Delivery in Mouse Lung Endothelial Cells," <i>Bioconjugate Chem.</i> , 3:323-327 (1992).	
↓	53	Unger, E.C., et al., "Magnetic Resonance Imaging Using Gadolinium Labeled Monoclonal Antibody," <i>Investigative Radiology</i> , 693-700 (1985).	
DSG	54	Wagner, E., et al., "Transferrin-Polycation Conjugates as Carriers for DNA Uptake into Cells," <i>PNAS, USA</i> , 87:3410-3414 (1990).	
EXAMINER		DATE CONSIDERED	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
8085 1449A.FRM (8/95)

INFORMATION DISCLOSURE CITATION PTO-1449			ATTY. DOCKET NO. A-62629/RFT/RMS		SERIAL NO. 08/541,191		
			APPLICANT KAYYEM et al.				
			FILING DATE October 11, 1995		GROUP 1211		
U.S. PATENT DOCUMENTS							
EXAMINER'S INITIALS		PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
D89	A	4,104,466	8/1/78	Tsuchida et al.	542	433	
D89	B	4,284,537	8/18/81	Beachey	260	6	25 10/95
							RECD 10/25/95
							44
FOREIGN PATENT DOCUMENTS							
EXAMINER'S INITIALS		PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	Translation
							Yes
D89	C	0253202	1/20/88	EP	—	—	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
D89	1	Heindel, N.D., et al., "Macromolecular Attachment as a Metabolic Stabilizer for a Labile Radiosensitizer," <i>J. Pharm. Sci.</i> , 76(5):384-386 (1987).					
	2	Hamblin, M.R., et al., "Photosensitizer Targeting in Photodynamic Therapy: I. Conjugates of Haematoporphyrin with Albumin and Transferrin," <i>Journal of Photochemistry and Photobiology</i> , 26:45-56 (1994).					
	3	Flynn, G., et al., "Magnetically Responsive Photosensitizing Reagents for Possible Use in Photoradiation Therapy," <i>Cancer Letters</i> , 78:109-114 (1994).					
D89	4	Hamblin, M.R., et al., "The Preparation of Site-Specific Monoclonal Antibody Hematoporphyrin Conjugates via Poly-Lysine Linkers," <i>Journal of Photochemistry and Photobiology</i> , 61(5)(Supp.):95S, Abstract No.: WPM-D6 (1995).					
EXAMINER		DATE CONSIDERED 6/97					

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
8085 1449A.FRM (8/95)